

the roots of grass or plantations and water does not evaporate from the surface of the lawn, especially during the hot weather days.

It also, does not spray outside the lawn, and it is a known fact that approximately 10% to 30% of water sprayed beyond the lawn, waters the dry ways or flows into the drainage system.

If water is diluted with a fertilizer, people will not be exposed to the dangerous chemicals. Regularly, when sprinkler system sprays that kind of solution, especially when the wind blows, water particles drop on people's skin or on the surfaces that people touch.

It is not necessary to leave the lawn or take another route for a walk during the watering time.

People do not need to wait until surface of the lawn will dry up to play or use for the social activities, or to cut the grass.

Non-potable water can be used and it will not cause any odor or disinfections problems for the property owners. This option will contribute additional savings to the water consumption for the local utility companies.

It allows to irrigate the lawn even in the afternoon hot sunny hours, when the traditional system can "burn" the grass. Those hours are the most productive in the sense of grass grow, because photosynthesis level is rapidly increasing and moisture is essential during this process. Because of that, the appearance of lawns with the above described systems will be much more attractive than the lawns irrigated with the traditional sprinkler systems.

Traditional sprinkler system's electrical valve and control panel for On or Off mode and water flow scheduling can be used.

These systems, once installed, do not need to be adjusted and repaired every season, and can work with the exiting systems as well.

Conclusion:

These systems are very convenient and efficient, especially for the small lawns.

Today, when the rapidly increasing water consumption becomes the huge problem for the society, these systems can save tremendous amount of water (money) and will improve the ecological situation.

CLAIM OF CLAIMS

What I claim as my invention is: Underground Irrigation System for Lawns, because it substantially differs from the all-existing irrigation systems design.